

#10.

Hawaiian Explorations.

~~Hy 4291 - Hy 4350~~

Hy 4291 - Hy 4350.

May 24 - 27, 1902.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

O.L. 39.2

507.

No. *Hy 4291* Date *May 24-02.*

Sigsbee Machine. # *1* Reel. *Navy.*

Turns *71* Cor. + *7* Depth *78 fms*

Shot or lead *60 lbs*

Bottom *Co. Mh. Co. J. mud*

Bottom temperature *69°*

No. of thermometer *92442* Cor.

Corrected temperature

Air *77* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-35.35 38.20
36.30 37.30

71

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 37' 20" N. 170° 37'

OK
JOS.
/h

4860

260

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Next Stations			
50	Hy	4291		
100	Dir	3968		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson

P.L. 41-2

No. *4292* Date *May 24th 02*
Tanner Machine. — Reel. —
Turns *17* Cor. + *1* Depth *18 fms*
~~Shot or lead~~ *26 lbs*
Bottom *Red Coralline*
Bottom temperature *73.6°*
No. of thermometer *92442* Cor. —
Corrected temperature —
Air *76* Surface *75* Drift —
Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>gm</i> 2-00.20	01.40	0		
00.40	01.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 35' 20" N. 170° 37' W

OK
HCP
3

496

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *44* *4293* Date *May 24th**Hand* Machine. Reel.

Turns Cor. +

Depth *17 fms*Shot or lead *9 lb.*

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *76*Surface *75*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-14⁰⁰

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

25° 34' 15" N. 170° 37' W

OK
J.C.
2

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Soundings between H4293 & H4294.
17. 17. 16 3/4. 17. 17. 16 3/4. 17.
17. 16 3/4.

P.L. 43.2

507

No. *H1* 4294 Date *May 24th*
Hand Machine. Reel.

Turns Cor. + Depth *16 3/4*
 Shot or lead *9 lbs.* *17 fms.*

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air *76* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.30 P.M.</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 33' 10" N 170° 37' W

OK
H.C.B.
3

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Soundings between 4294.4 & 4295
16 3/4. 16 1/2. 15. 14 3/4. 18 18
17. 17

P.L. 43.9

No. 4295

Date

May 24 1882

Machine.

Reel.

Turns

Cor. +

Depth

17 fms

Shot or lead

9 lbs.

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

76

Surface

76

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

2.41.20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 32' 15" N 177° 27' 27" W

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Soundings taken 4295 & 4296

REMARKS:

14. 17. 17. 14. 16. 15. 17.
17. 14. 17. 15

P.L. 45.

No. *4296*

Date

May 24th

Machine.

Reel.

Turns — Cor. +

Depth

14 fms~~Shot or lead~~*9 lbs.*

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

none Cor.

Air

76

Surface

76

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.02⁰⁰

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 31' 40" N 170° 27' 50" W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Soundings between Key 4296 & 4297

REMARKS: 17. 17. 16. 16. 15. 15. 11
17

P.L. 45.9

No. *4297* Date *May 24**Hand* Machine. Reel.Turns — Cor. + Depth *20 fms*~~Shot or lead~~ *9 lbs.*

Bottom

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *76* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 31' 05" N 170° 35' 45" W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Soundings bottom Hy 4297 & 4298

REMARKS:

20. 15. 19. 19.

P.L. 46.7

No. *Hy 4298* Date *May 24th*

Sand Machine. Reel.

Turns Cor. +

Depth *19 fms*

~~Shot or lead~~ *9 lbs*

Bottom

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *76* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3-22⁰⁰

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

25° 30' 35" 24 170° 29' 25"

11
100

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

19. 18

P. L. 47.2

No. 4299

Date

May 24th

Machine. — Reel.

Turns

Cor. +

Depth

20 fms

Shot or lead

9 lbs.

Bottom

Bottom temperature

No. of thermometer

none Cor.

Corrected temperature

Air

76

Surface

76

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 30' 10" N 170° 30' 20" W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P. L. 47.7

507
Hutchinson

No. *Hy 4300* Date *May 24th*
Hand Machine. Reel.

Turns Cor. + Depth *18 1/2 fms*

~~Shot or lead~~ *9 lbs.*

Bottom

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *76* Surface *76* Drift

Trawl or dredge

ppm
3-36²⁰

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400

25° 29' 40" N 170° 39' 40" W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

18

P. L. 48.2

No. *Hy 4301* Date *May 24**Hand* Machine. — Reel.Turns — Cor. + — Depth *19 1/2 fms*~~Shot or lead~~ *9 lbs.*

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air *76* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-43

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 27' 10" N 170° 40' W

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 48.7

307.

No.

4302

Date

May 24th

Hand

Machine.

Reel.

Turns

Cor. +

Depth

19 fms

Shot or lead

9 lbs

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

none Cor.

Air

76

Surface

76

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 25' 40" N. 170° 40' 15" W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
Whitcomb

P. L. 49.2

No. *44* 4303 Date

and Machine. Reel.

Turns Cor. + Depth

Shot or lead *19 lbs*

Bottom

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *76* Surface *76* Drift

Trawl or dredge

PM

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

20° 25' N. 170° 40' 20" W

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *432*Date *7/1/04*

Machine.

Reel.

Turns

Cor. +

Depth *1874* *ms*Shot or lead *9#*

Bottom

Bottom temperature

No. of thermometer *1111*

Cor.

Corrected temperature *76*Air *76*Surface *76*

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Remarks: 17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-10

No. 4305 Hy Date 24
Machine. Reel.

Turns

Cor. +

Depth 10 11

Shot or Lead 9 11

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 76

Surface 76

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

H-1 K-30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4000

REMARKS:

REMARKS: 14
15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-

No. *121*Date *July 10, 1907*

Machine.

Reel.

Turns

Cor. +

Depth *1125*

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

4506

Date

25 Mar 02.

Machine.

Reel.

Turns

Cor. +

Depth

10 fms.

Shot or lead

9 Lbs.

Bottom

Bottom temperature

No. of thermometer

None. Cor.

Corrected temperature

Air

74

- Surface

75

- Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.34.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 26' 42" N. 170° 37' 30" W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Sample taken at 2000 fathoms.

16. $\frac{0}{16}$

No. *Hy. 4307* Date *25 May '02*
Hand Machine. Reel.

Turns — Cor. + — Depth *17 fms.*

Shot or lead *7 Lbs.*

Bottom

Bottom temperature

No. of thermometer *None* Cor.

Corrected temperature

Air *74* — Surface *75* — Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.42</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 26' 15" N. 170° 37' 40" W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *118* Date *Aug 11 1881**Hand*

Machine.

Reel.

Turns — Cor. +

Depth *16 fms.*~~Shot or lead~~ *9 lbs*

Bottom

Bottom temperature

No. of thermometer *7111* Cor.

Corrected temperature

Air *74.* — Surface *75.* — Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 25' 45" N. 170° 37' 45" W.

1000
1000
1000

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *65100*Date *25 Nov 12*

Machine.

Reel.

Turns

Cor. +

Depth *712 fms*Shot or lead *35 lb*

Bottom

Bottom temperature

No. of thermometer *(120)*

Cor.

Corrected temperature

Air *74*

Surface

75

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

28° 25' 15" N, 170° 37' 50" W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4210*Date *2-1-1903*

Machine.

Reel.

Turns *—*

Cor. +

Depth *—*Shot or lead *—*

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *75*

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 24' 48" N. 170° 37' 50" W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25.				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *11* Date *Jan 02**Hanna* Machine. Reel.Turns *—* Cor. + *—* Depth *02*Shot or lead *9 Lbs.*

Bottom

Bottom temperature

No. of thermometer *4 None* Cor.

Corrected temperature

Air *75.* - Surface *75.* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 24' 18" N. 170° 38' W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *41312*Date *25 May 12*Machine. *Hand*

Reel.

Turns *—*Cor. + *—*Depth *16 fms.*Shot or lead *35 lb*

Bottom

Bottom temperature

No. of thermometer *4**None*

Cor.

Corrected temperature

Air *75.*Surface *75.*

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 23' 15" N. 170° 31' 08" W

OK
1400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *Course (200) S. by E 1/4 E.*

No. *4313* Date *25 May '02*

Hand Machine. Reel.

Turns - Cor. + - Depth *15 1/2 fms.*

Shot or lead

Bottom

Bottom temperature

No. of thermometer } *None* Cor.

Corrected temperature

Air *75* - Surface *75* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.22</i>		0		
		100		
		200		
<i>182</i>	<i>Time</i>	<i>date</i>	<i>Time</i>	<i>Time</i>
<i>4314</i>	<i>7.33</i>	<i>May 25</i>		
<i>4315</i>	<i>7.43</i>	<i>11</i>		<i>75</i>
		<i>11</i>		
<i>" 4316</i>	<i>7.53</i>	<i>11</i>	<i>17</i>	<i>76 75</i>
<i>" 4317</i>	<i>8.04</i>	<i>11</i>	<i>17</i>	<i>76 75</i>
<i>" 4318</i>	<i>8.13</i>	<i>11</i>	<i>16</i>	<i>76 75</i>
<i>4319</i>	<i>8.25</i>	<i>11</i>		<i>76 75</i>
		<i>11</i>		
<i>Change - coming</i>		<i>11 1/2</i>	<i>9 Lbs</i>	
		<i>13 1/2</i>		
		<i>11</i>		
		<i>11</i>		
		<i>10 1/2</i>		
		<i>10 1/2</i>		
		<i>10 1/2</i>		
		<i>10 1/2</i>		
		<i>10 1/2</i>		
		<i>20 1/2</i>		
		<i>21 1/2</i>		
		<i>22 1/2</i>		
		<i>23 1/2</i>		
		<i>24 1/2</i>		

25° 22' 15" N. 170° 38' 10" W.

<i>OK</i>		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
P.L.	Course	4000	Recorder

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
58.9 ₇₅		<i>do</i>		<i>do</i>
59.9 ₅₀		<i>do</i>		"
60.9 ₁₀₀		<i>do</i>		"
61.9 ₂₀₀		<i>do</i>		"
300				
400	#4314	25° 21' 15"	N.	
500	# 4315	170° 38'	20" W.	
600	#4315	25° 20' 15"	N.	
700		170° 38'	25" W.	/
800	#4316	25° 19' 15"	N.	
900		170° 38'	35" W.	/
1000	#4317	25° 18' 15"	N.	

REMARKS:

#4318 } 25° 17' 15" N.
 170° 38' 50" W. /

61.7
S 45 4/8 (C.S.C.)

No. 444314

Date May 25

Tanner Machine.

Reel.

Turns 175 Cor. +

Depth 182 fms

Shot or lead

26

Bottom R

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

76

Surface

75

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8-25.45

31.30

0

26.45

29.40

100

27.30

28.10

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 16' 15" N. 110° 29' 22" W.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

796
175
38

P. L. 63.9

Course S by E 1/4 E. (OSC)

No. 4520 Date 25 May 02.

Machine. #1 Reel. C

Turns 843 Cor. + 84 Depth 927 fms

Shot or lead 35 lbs.

Bottom wh S. M. brk sh.

Bottom temperature 74.2

No. of thermometer 92442 Cor.

Corrected temperature

Air 75 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8:51.25	12 =	0		
52.35	10.25	100		
53.25	09.25	200		
54.40	08.20	300		
55.50	07.30	400		
56.55	06.30	500		
58.25	05.30	600		
9 20 12	04.30	700		
01.30	03.30	800		
02 -	9=03.05	823		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 14' 20" 21. 170° 54' 30" 21.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
4560	3700	160
643	3800	17
5017	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pat. Log. 67.9

Course S. 1/2 E.

507

No. *4551* Date *May 25th 02*

Tanner Machine. — Reel.

Turns *16* Cor. + *1* Depth *17 fms*

Shot or lead *26 lbs*

Bottom *wh S. & P.*

Bottom temperature

No. of thermometer *92452* Cor.

Corrected temperature

Air *75* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>54.05</i>	<i>54.40</i>	0		
<i>54.15</i>	<i>54.50</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 12' 55" N. 170° 35' 55" W.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
4860	260	3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

25° 17' 30" N / 170° 35' 00" W

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	25° 17' 40" N
	3500	170° 34' 35" W.
	3600	25° 17' 45" N
	3700	170° 34' 10" W.
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Bot Log.</i>	<i>Cross</i>		<i>Recorder</i>
50	68.4	E. N. E.	F. W.	Hutchinson
100	69.9			"
200	70.4			"
300	70.9	52.6		"
400	71.9			"
500	72.1			"
600	72.7	E.		"
700	72.2			"
800				"
900				"
1000				"

25° 17' 45" N.
170° 33' 40" W.
25° 17' 50" N.
170° 32' 20" W.

* 76 Bot-log 4026-27.
25° 17' 15" N.
170° 32' 30" W.
25° 16' 40" N.
170° 31' 30" W.
25° 16' 20" N.
170° 31' 00" W.

REMARKS:

PL 747
Course E.

No. *Hy 4330* Date *May 25-12*

Tanner Machine. — Reel.

Turns *19* Cor. + *1* Depth *20 fms*

Shot or lead *26 lbs.*

Bottom *cr wh S.*

Bottom temperature

No. of thermometer *None* Cor.

Corrected temperature

Air *76* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11 25 40

26 30

0

26 —

26 10

100

200

300

400

500

600

Sta

Time

Date

Depth

Temp.

Hy

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 16' 15" N. 170° 30' W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
49 1/2	3600	
19	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Bot Log</i>	<i>Course</i>	<i>Recorder</i>	
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
REMARKS:				

Pat Log 1159
 course E (true)

No. Hy 4331 Date May 25, 1902.

Machine. — Reel.

Turns 17 Cor. + 1 Depth 20 fms

Shot or lead 36 lbs

Bottom m m S. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-38.35 40 =
 39 = 39.20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 16' 05" N. 170° 24' W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Part of 76.9

507

No. 49 4332 - Date May 25, 1902.

Tanner Machine. Reel.

Turns 19 Cor. + Depth 20 fms

Shot or lead 26 lbs.

Bottom sand, fine

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

52.40

53.30

0

53 -

53.05

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 18' 50" N. 171° 27' 55" W.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *107*Date *May 10 1881*Machine. *Hand*Reel. *1*Turns *16*Cor. + *1*

Depth

Shot or lead *26*Bottom *crs co S. frs Sh.*

Bottom temperature

No. of thermometer *1074*

Cor.

Corrected temperature *✓*Air *77*Surface *76*

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*11.00.30**12.06.30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 16' 20" N 170° 27' 20" W

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

4334 54y

Date

20 May 1916

Machine.

Reel.

Turns

20

Cor. +

1

Depth

21

Shot or lead

26

Bottom

crs co s. fine Sh.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

77

Surface

76

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.1830 12.1900

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 17' N. 170° 26' W.
(psc)

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4335* Date *20 May 07*
 Machine. Reel.

Turns *14* Cor. + *1* Depth *20*
 Shot or lead *26*

Bottom *crs. co S. fine sh.*

Bottom temperature

No. of thermometer *1012* Cor.

Corrected temperature

Air *77* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

28° 17' 20" 26 170° 25' 14"

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
490	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

July *C.D. 80.9. 60. 71*
No. 4336 *Date* *Machine.* *Reel.*

Turns 17 *Cor. +* *Depth 18*
Shot or lead 26
Bottom W.R. Co. S. 1/2 Sec 34.
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air 76 *Surface 76* *Drift*
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 17' 45" N. 170° 24' 31" W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:.

No. 4337 Date

Machine. Reel.

Turns 16 Cor. +

Depth 17 fms

Shot or lead 26 lb

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 76

Surface 76

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 18' 10" N. 176° 23' 24" W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4338 Hy Date 25 May 02

Machine. Reel.

Turns 16 Cor. + Depth 17

Shot or lead 26

Bottom Co S. 1/4 1/4 N.

Bottom temperature

No. of thermometer 1100 Cor.

Corrected temperature

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.21.26

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 20' 05" N. 170° 27' 00" W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 12

Date July 17

Machine. Singer

Reel.

Turns 15

Cor. +

Depth 15 fms

Shot or lead 26 lb

Bottom Algae

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 76

Surface 76

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

28° 22' 05" N. 170° 23' 7" W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4310*Date *Jan 17*

Machine. — Reel.

Turns *17*Cor. + *26.4*Depth *18*

Shot or lead

Bottom *Lo. R. Algae*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *76*Surface *75*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

25° 24' 05" N. 175° 28' 27" W.

Ar.
R10
102

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1134* Date *July 11 1882*
 Machine. *Reel.*
 Turns *17* Cor. + *2* Depth *15*
 Shot or lead *60 lb. Agon.*
 Bottom *60 lb. Agon.*
 Bottom temperature
 No. of thermometer *76* Cor.
 Corrected temperature
 Air *76* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.33.45</i>	<i>2.41.30</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

28° 24' N. 170° 25' 4" W

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *14342* Date *Dec 20, 02*
Large Machine. — Reel. *1*
 Turns *36* Cor. + *2* Depth *38 fms.*
 Shot or lead *26*
 Bottom *bo. R. S.*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *76* Surface *76* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.45</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

28° 27' 50" N. 170° 24' 20" W.

OK
1008

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Station P. 2969 Co. S. 4 S.
 No. *4343* Date *Wth May 07.*
 Machine. *1* Reel.
 Turns *420* Cor. + *42* Depth *462*
 Shot or lead *35*
 Bottom *Grey mud.*
 Bottom temperature
 No. of thermometer *None.* Cor.
 Corrected temperature
 Air *76.* Surface *76.* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.42.20</i>		0		
<i>10.11.00</i>		100		
<i>44.20</i>		200		
<i>45.40</i>		300		
<i>46.11</i>		400		
<i>47.00</i>	<i>41.00</i>	<i>420</i>		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 26' 24" N, 170° 21' 7" W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
41.60	3600	
42.0	3700	
44.0	3800	
42.0	3900	
46.2	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4344* Date *25 Mar '02*

Machine. / Reel.

Turns Cor. + Depth / *fms.*Shot or lead *60 Lbs.*

Bottom

Bottom temperature

No. of thermometer *92452* Cor.

Corrected temperature

Air *75* - Surface *74* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.10.30</i>		0		
		36		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lost 36 turns of wire, thermometer sounding cup, and

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
18 36	3800	25
18 34	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

For 38 fms wire
 & instrument
 No Spring (made in Honolulu)
 accumulator 1-std wire
 & fouled -

51.4

No. *4444* Date *June 22*

Machine: *Sigsbee* Reel: *W.C.*

Turns *1935* Cor. + *172* Depth *2157 fms*

Shot or lead *60 lbs.*

Bottom *Brown mud, very fine foramin.*

Bottom temperature *35.20*

No. of thermometer *780469* Cor.

Corrected temperature

Air *72* Surface *73* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.06.40</i>	<i>57.15</i>	0		
<i>07.22</i>	<i>53.10</i>	100		
<i>08.20</i>	<i>52.10</i>	200		
<i>09.20</i>	<i>51.05</i>	300		
<i>10.16</i>	<i>50.05</i>	400		
<i>11.15</i>	<i>49 =</i>	500		
<i>12.15</i>	<i>47.55</i>	600		
<i>13.20</i>	<i>46.50</i>	700		
<i>14.25</i>	<i>45.45</i>	800		
<i>15.40</i>	<i>44.40</i>	900		
<i>16.55</i>	<i>43.30</i>	1000		
<i>18.10</i>	<i>42.20</i>	1100		
<i>19.25</i>	<i>41.10</i>	1200		
<i>20.45</i>	<i>40 =</i>	1300		
<i>22 =</i>	<i>38.40</i>	1400		
<i>23.20</i>	<i>37.20</i>	1500		
<i>24.35</i>	<i>35.55</i>	1600		
<i>25.55</i>	<i>34.40</i>	1700		
<i>27.20</i>	<i>33.15</i>	1800		
<i>28.35</i>	<i>32 =</i>	1900		
<i>30 =</i>	<i>9.21 22</i>	<i>1935</i>		
		2000		
		2100		
		2200		
		2300		
		2400		

25° 04' N. 169° 00' W.
 Lowest Reef to Break Head

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

$$\begin{array}{r} 1985 \\ 2845 \\ \hline 4830 \end{array}$$

$$\begin{array}{r} 257 \\ 85 \\ \hline 342 \\ 1972 \\ \hline 2157 \end{array}$$

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2, 47 29.1

No.

4345

Date

Machine. 1

Reel.

Turns 802 Cor. +

80

Depth 882

Shot or lead

60

Bottom

gray mud - very fine globig.

Bottom temperature

38.

No. of thermometer

80469

Cor.

Corrected temperature

Air

13

Surface

72

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.42.0	58.00	0
43.50	1.40	100
44.20	7.00	200
45.40	59.10	300
46.20	58.00	400
47.00	56.50	500
47.10	55.30	600
50.15	54.10	700
51.30	53.00	800
		802
		8900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

24° 50' 10" N. 168° 25' 74.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4850	21	3600	
802	1177	3700	
4028	8.0	3800	
	802	3900	
	882	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 43.4

607)

No.

434. Date 26 Mar '02.

Machine. #1 Reel. King

Turns 126 Cor. + 13

Depth 139 fms.

Shot or lead 35 Lbs.

Bottom fine coral sand

Bottom temperature 59.1

No. of thermometer 80469. Cor.

Corrected temperature

Air 72. - Surface 72. - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.06.25 10.11.25

08.25 10.20

10.08.25 10.10.00

0

100

126

~~200~~

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

24° 47' N. 168° 10' W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
2220	3800	257
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 77.1
Course E 1/4 S.

No. 4347 Date May 27.02
Machine #1 Reel. Heavy.

Turns 1645 Cor. + 148 Depth 1793 fms.

Shot or lead 35 lbs.

Bottom Coarse coral sand + glob. v. gr.

Bottom temperature 35.8

No. of thermometer 80467 Cor.

Corrected temperature

Air 72 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
47.20	32.30	0		
48.40	31.25	100		
50 =	30.20	200		
51.10	29.15	300		
52.30	28.20	400		
54 =	27.15	500		
55.35	26.05	600		
56.55	24.55	700		
58.20	23.55	800		
59.55	22.50	900		
5-01.50	21.45	1000		
03.35	20.35	1100		
05.15	19.30	1200		
06.50	18.25	1300		
08.25	17.05	1400		
10 =	15.45	1500		
11.45	14.20	1600		
12.30	13.45	1645		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

24° 37' 30" N. 161° 37' 30" W.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
4120	257	3700	
1645	104	3800	
3185	145	3900	
	1645		
	1773		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4348 Date

Machine. Reel.

Turns 104 Cor. + 10

Depth 114

Shot or lead 60

Bottom Co. S. Sh

Bottom temperature 64.2

No. of thermometer 80469

Cor.

Corrected temperature

Air 76

Surface 72

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

24° 20' N. 167° 02' W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

11830
10425.7
114

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 431 Date July 11 1881
 Machine. Reel. H. S. Co.
 Turns 208 Cor. + 3 Depth 211
 Shot or lead 37 lb.
 Bottom Co. R. Sh.
 Bottom temperature 71.2
 No. of thermometer 46 Cor.
 Corrected temperature
 Air 16 Surface Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1:02.15	7.06	208		
03.40		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

24° 14' 30" N 167° 00" W

OK
SEA
2

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4830 257
W 254
4805 3

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1. 53.50 2. 01.00
 54.40 58.40
 55.30 56.30
 1. 55.40 1. 56.00

221

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400

24° 10' N. 166° 59' W.

~~OK
H003
1/2~~

$$\begin{array}{r} 496 - 12 \\ 221 \quad 4 \\ \hline 275 \quad 8 \\ \quad 221 \\ \hline \quad 229 \end{array}$$

4-60

4-35

38-60

64-35